SALX-MED — Artifact Note (v1.0.0)

Purpose

This document describes the canonical SALX-MED v1.0.0 artifact. The artifact enables executable verification of protocol compliance (P*: Protocol Compliance with Temporal Preregistration) under operational closure.

Scope

This artifact is not a clinical claim. It is a verification framework demonstrating SAL-decidability for protocol compliance in preregistered analyses.

Artifact Contents

The canonical ZIP contains: protocol.yaml, data_manifest.json, env.txt, analysis.py, verify.py, controls.md, and manifest.sha256.

Verification Procedure

Verification consists of recomputing SHA-256 hashes, checking preregistered protocol constraints, and executing the deterministic verifier. Confutation is admissible only via a new valid execution.

Controls

Positive control: unchanged protocol and analysis must pass. Negative control: any deviation must fail. Idempotence: repeated verification yields identical verdicts.

Threat Model and Limits

Assumptions include collision-resistant hashing and reliable timestamps. The artifact does not address semantic truth of clinical hypotheses.

Citation

Please cite using the README_CITATION.md provided with the artifact. ORCID: 0009-0003-0149-4321.